



LOYOLA HIGH SCHOOL

SECONDARY IV NATURAL SCIENCE HONORS MATHEMATICS COURSE OUTLINE

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<u>TOPICS</u>
• Factoring
• Rational Expressions
• Operations on Polynomials
• Exponents
• Radicals
• Properties of Functions
• Linear Functions
• Quadratic Functions
• Systems of Equations
• Trigonometry
• Congruency
• Similarity
• Statistics
• Review

Student Resources

- Math-Help-Services.com
- Teacher Hand-Outs
- Class Notes

Required Student Materials

- Pen, pencil, eraser and loose leaf
- Three ring binder(s). If buying the smaller ones, it might be a good idea to buy three, one for each term, as there are a lot of handouts.
- Students need to have a non-graphing scientific calculator.
- iPad

Mark Distribution

Competency I Reporting: Situational Problem

Term 1 (20%) Term 2 (20%) Term 3 (60 %)	There will be one situational problem per term.
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Competency II Reporting: Reasoning

Term 1 (20%) Term 2 (20%) Term 3 (60 %)	5% Teacher Assigned Homework 5% Math Help Services Homework 90% Tests
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Final Mark

Competency I	Solves a Situational Problem	30 %
Competency II	Reasoning and Communication	70 %

NOTES:

- There will be an exam in December.
- Students who fail to attain 75% as a final school mark in NS IV Math will be placed in TS Math in Secondary Five, unless they bring their mark up above 75% by writing the August NS IV Mathematics Supplemental Provincial exam.
- NS Math is a pre-requisite for Health Science, Pure and Applied and Commerce programs in CEGEP.

EXTRA HELP:

Extra help is offered as often as the student needs/wants. I am willing to meet before school, at lunch or after school. All the student need do is talk to me or email me to arrange a mutually convenient time.

ABSENCES

Students absent from class for any reason are responsible to make up the work missed. They may consult their fellow classmates or see the teacher.

HOMEWORK

Homework is an essential element to success in Mathematics. Students should expect roughly 30 minutes of homework per evening. It will be checked for completion.

Review and practice are essential to understanding and retaining the information taught. Failure to complete homework will result in a loss of marks and/or disciplinary action.

TESTS

Tests must be written on the day assigned. Missed tests are to be done on the day the student returns unless alternate arrangements have been made. Students obtaining a mark less than 70% must get the test signed by a parent/guardian. The signed test must be shown to the teacher on the next class.